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(54) Title: **VERY HIGH EFFICIENCY ORGANIC LIGHT EMITTING DEVICES BASED ON ELECTROPHOSPHORESCENCE**

(57) Abstract: Organic light emitting devices are described wherein the emissive layer comprises a host material containing an emissive molecule, which molecule is adapted to luminesce when a voltage is applied across the heterostructure, and the emissive molecule is selected from the group of phosphorescent organometallic compounds, including cyclometallated iridium compounds and wherein the devices contain an exciton blocking layer.



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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :H01L 33/00; H01J 1/62

US CL :257/40, 103, 96; 313/503, 506

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 257/40, 103, 96; 313/503, 506

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,861,219 A (Thompson et al) 19 January 1999 (19/01/99), see entire reference.	1-30

☐ Further documents are listed in the continuation of Box C. ☐ See parent family annex.

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